



1600

RAW SEQUENCE LISTING

DATE: 04/09/2003

PATENT APPLICATION: US/09/717,641A

TIME: 11:38:05

Input Set : A:\P0645P4D2C3.txt

Output Set: N:\CRF4\04092003\I717641A.raw

W--> 1 Patin Docket Preview *delete*

7 <110> APPLICANT: Garrard, Lisa J.

8 Henner, Dennis J.

9 Bass, Steven

10 Greene, Ronald

11 Lowman, Henry B.

12 Wells, James A.

13 Matthews, David J.

15 <120> TITLE OF INVENTION: ENRICHMENT METHOD FOR VARIANT PROTEINS WITH ALTERED
16 BINDING PROPERTIES

18 <130> FILE REFERENCE: P0645P4D2C3

20 <140> CURRENT APPLICATION NUMBER: US 09/717,641A

C--> 21 <141> CURRENT FILING DATE: ~~2003-04-02~~ 2000-11-21

23 <150> PRIOR APPLICATION NUMBER: US 08/922,345

24 <151> PRIOR FILING DATE: 1997-09-03

26 <150> PRIOR APPLICATION NUMBER: US 08/463,587

27 <151> PRIOR FILING DATE: 1995-06-05

29 <150> PRIOR APPLICATION NUMBER: US 08/050,058

30 <151> PRIOR FILING DATE: 1993-04-30

32 <150> PRIOR APPLICATION NUMBER: PCT/US91/09133

33 <151> PRIOR FILING DATE: 1991-12-03

35 <150> PRIOR APPLICATION NUMBER: US 07/743,614

36 <151> PRIOR FILING DATE: 1991-08-09

38 <150> PRIOR APPLICATION NUMBER: US 07/715,300

39 <151> PRIOR FILING DATE: 1991-06-14

41 <150> PRIOR APPLICATION NUMBER: US 07/683,400

42 <151> PRIOR FILING DATE: 1991-04-10

44 <150> PRIOR APPLICATION NUMBER: US 07/621,667

45 <151> PRIOR FILING DATE: 1990-12-03

47 <160> NUMBER OF SEQ ID NOS: 108

49 <210> SEQ ID NO: 1

50 <211> LENGTH: 36

51 <212> TYPE: DNA

52 <213> ORGANISM: Artificial sequence

54 <220> FEATURE:

55 <223> OTHER INFORMATION: Synthetic

57 <400> SEQUENCE: 1

58 ggcagctgtg gcttctagag tggcggcggc tctggt 36

60 <210> SEQ ID NO: 2

61 <211> LENGTH: 36

62 <212> TYPE: DNA

63 <213> ORGANISM: Artificial sequence

65 <220> FEATURE:

Does Not Comply
Corrected Diskette Needed

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66 <223> OTHER INFORMATION: Synthetic
68 <400> SEQUENCE: 2
69 agctgtggct tcgggccctt agcatttaat gcggta 36
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 33
73 <212> TYPE: DNA
74 <213> ORGANISM: Artificial sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Synthetic
79 <400> SEQUENCE: 3
80 ttcacaaacg aagggcccct aattaaagcc aga 33
82 <210> SEQ ID NO: 4
83 <211> LENGTH: 30
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Synthetic
90 <400> SEQUENCE: 4
91 caataataac gggctagcca aaagaactgg 30
93 <210> SEQ ID NO: 5
94 <211> LENGTH: 24
95 <212> TYPE: DNA
96 <213> ORGANISM: Artificial sequence
98 <220> FEATURE:
99 <223> OTHER INFORMATION: Synthetic
101 <400> SEQUENCE: 5
102 cacgacagaa ttcccgactg gaaa 24
104 <210> SEQ ID NO: 6
105 <211> LENGTH: 23
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Synthetic
112 <400> SEQUENCE: 6
113 ctgtttctag agtgaaattg tta 23
115 <210> SEQ ID NO: 7
116 <211> LENGTH: 21
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Synthetic
123 <400> SEQUENCE: 7
124 acattcctgg gtaccgtgca g 21
126 <210> SEQ ID NO: 8
127 <211> LENGTH: 63
128 <212> TYPE: DNA
129 <213> ORGANISM: Artificial sequence
131 <220> FEATURE:
132 <223> OTHER INFORMATION: Synthetic

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/717,641A

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Input Set : A:\P0645P4D2C3.txt

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134 <220> FEATURE:
 135 <221> NAME/KEY: unsure
 136 <222> LOCATION: 21-22, 27-28, 33-34, 39-40
 137 <223> OTHER INFORMATION: unknown base
 139 <400> SEQUENCE: 8
 W--> 140 gcttcaggaa ggacatggac nnsgtcnnsa cannstggn satcgtgcag 50
 142 tgccgctctg tgg 63
 144 <210> SEQ ID NO: 9
 145 <211> LENGTH: 24
 146 <212> TYPE: DNA
 147 <213> ORGANISM: Artificial sequence
 149 <220> FEATURE:
 150 <223> OTHER INFORMATION: Synthetic
 152 <400> SEQUENCE: 9
 153 aaggtctcca catacctgag gatc 24
 155 <210> SEQ ID NO: 10
 156 <211> LENGTH: 33
 157 <212> TYPE: DNA
 158 <213> ORGANISM: Artificial sequence
 160 <220> FEATURE:
 161 <223> OTHER INFORMATION: Synthetic
 163 <400> SEQUENCE: 10
 164 atggacaagg tgtcgacata cctgcgcacg gtg 33
 166 <210> SEQ ID NO: 11
 167 <211> LENGTH: 36
 168 <212> TYPE: DNA
 169 <213> ORGANISM: Artificial sequence
 171 <220> FEATURE:
 172 <223> OTHER INFORMATION: Synthetic
 174 <400> SEQUENCE: 11
 175 ggcagctgtg gattctagag tggcgggtggc tctggt 36
 177 <210> SEQ ID NO: 12
 178 <211> LENGTH: 12
 179 <212> TYPE: PRT
 180 <213> ORGANISM: Artificial sequence
 182 <220> FEATURE:
 183 <223> OTHER INFORMATION: Synthetic
 185 <400> SEQUENCE: 12
 186 Gly Ser Cys Gly Phe Glu Ser Gly Gly Ser Gly
 187 1 5 10
 189 <210> SEQ ID NO: 13
 190 <211> LENGTH: 27
 191 <212> TYPE: DNA
 192 <213> ORGANISM: Artificial sequence
 194 <220> FEATURE:
 195 <223> OTHER INFORMATION: Synthetic
 197 <400> SEQUENCE: 13
 198 cggactgggc agatattcaa gcagacc 27
 200 <210> SEQ ID NO: 14

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/717,641ADATE: 04/09/2003
TIME: 11:38:05Input Set : A:\P0645P4D2C3.txt
Output Set: N:\CRF4\04092003\I717641A.raw

201 <211> LENGTH: 38
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Synthetic
208 <400> SEQUENCE: 14
209 ctcaagaact acgggttacc ctgactgctt caggaagg 38
211 <210> SEQ ID NO: 15
212 <211> LENGTH: 30
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial sequence
216 <220> FEATURE:
217 <223> OTHER INFORMATION: Synthetic
219 <400> SEQUENCE: 15
220 cgcacgtgc agtgcagatc tgtggagggc 30
222 <210> SEQ ID NO: 16
223 <211> LENGTH: 66
224 <212> TYPE: DNA
225 <213> ORGANISM: Artificial sequence
227 <220> FEATURE:
228 <223> OTHER INFORMATION: Synthetic
230 <220> FEATURE:
231 <221> NAME/KEY: unsure
232 <222> LOCATION: 33-34, 39-40, 45-46, 51-52
233 <223> OTHER INFORMATION: unknown base
235 <400> SEQUENCE: 16
W--> 236 gttactctac tgctttcagg aaggacatgg acnnshtcnn sacannsetg 50
238 nnsatcgtgc agtgc 66
240 <210> SEQ ID NO: 17
241 <211> LENGTH: 64
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Synthetic
248 <220> FEATURE:
249 <221> NAME/KEY: unsure
250 <222> LOCATION: 19-20, 25-26, 31-32, 37-38
251 <223> OTHER INFORMATION: unknown base
253 <400> SEQUENCE: 17
W--> 254 gatctgcaact gcacgatsnn cagsnntgts nngacsnngt ccatgtcett 50
256 cctgaagcag taga 64
258 <210> SEQ ID NO: 18
259 <211> LENGTH: 25
260 <212> TYPE: DNA
261 <213> ORGANISM: Artificial sequence
263 <220> FEATURE:
264 <223> OTHER INFORMATION: Synthetic
266 <400> SEQUENCE: 18
267 gcctttgaca ggtaccagga gtttg 25

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/717,641A

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Input Set : A:\P0645P4D2C3.txt

Output Set: N:\CRF4\04092003\I717641A.raw

269 <210> SEQ ID NO: 19
270 <211> LENGTH: 33
271 <212> TYPE: DNA
272 <213> ORGANISM: Artificial sequence
274 <220> FEATURE:
275 <223> OTHER INFORMATION: Synthetic
277 <400> SEQUENCE: 19
278 ccaactatac cactctcgag gtctattcga taa 33
280 <210> SEQ ID NO: 20
281 <211> LENGTH: 66
282 <212> TYPE: DNA
283 <213> ORGANISM: Artificial sequence
285 <220> FEATURE:
286 <223> OTHER INFORMATION: Synthetic
288 <220> FEATURE:
289 <221> NAME/KEY: unsure
290 <222> LOCATION: 10-11, 22-23, 34-35, 43-44
291 <223> OTHER INFORMATION: unknown base
293 <400> SEQUENCE: 20
W--> 294 tcgaggctcn nsgacaacgc gnnsctgcgt gctnnscgctc tttnscagct 50
296 ggcctttgac acgtac 66
298 <210> SEQ ID NO: 21
299 <211> LENGTH: 58
300 <212> TYPE: DNA
301 <213> ORGANISM: Artificial sequence
303 <220> FEATURE:
304 <223> OTHER INFORMATION: Synthetic
306 <220> FEATURE:
307 <221> NAME/KEY: unsure
308 <222> LOCATION: 19-20, 28-29, 40-41, 52-53
309 <223> OTHER INFORMATION: unknown base
311 <400> SEQUENCE: 21
W--> 312 gtgtcaaagg ccagctgsnn aagacgsnna gcacgcagsn ncgcgttgctc 50
314 snngagcc 58
316 <210> SEQ ID NO: 22
317 <211> LENGTH: 65
318 <212> TYPE: DNA
319 <213> ORGANISM: Artificial sequence
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Synthetic
324 <220> FEATURE:
325 <221> NAME/KEY: unsure
326 <222> LOCATION: 17-18, 29-30, 41-42, 53-54
327 <223> OTHER INFORMATION: unknown base
329 <400> SEQUENCE: 22
W--> 330 gttactctac tgcttcnnsa aggacatgnn saaggtcagc nnstacctgc 50
332 gcnnsgtgca gtgca 65
334 <210> SEQ ID NO: 23
335 <211> LENGTH: 64

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/717,641A

DATE: 04/09/2003
TIME: 11:38:06

Input Set : A:\P0645P4D2C3.txt
Output Set: N:\CRF4\04092003\I717641A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; N Pos. ~~21, 22, 27, 28, 33, 34, 39, 40~~
Seq#:16; N Pos. ~~33, 34, 39, 40, 45, 46, 51, 52~~
Seq#:17; N Pos. ~~19, 20, 25, 26, 31, 32, 37, 38~~
Seq#:20; N Pos. ~~10, 11, 22, 23, 34, 35, 43, 44~~
Seq#:21; N Pos. ~~19, 20, 28, 29, 40, 41, 52, 53~~
Seq#:22; N Pos. ~~17, 18, 29, 30, 41, 42, 53, 54~~
Seq#:23; N Pos. ~~16, 17, 28, 29, 40, 41, 52, 53~~
Seq#:30; N Pos. 11, 12, 14, 15
Seq#:31; N Pos. 15, 16, 18, 19
Seq#:37; N Pos. 7, 8, 9
Seq#:101; Xaa Pos. 3

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/717,641A

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Input Set : A:\P0645P4D2C3.txt

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L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:
L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:140 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:236 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
M:341 Repeated in SeqNo=16
L:254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
M:341 Repeated in SeqNo=21
L:330 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
M:341 Repeated in SeqNo=22
L:348 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
M:341 Repeated in SeqNo=23
L:655 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:671 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:742 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:1500 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:101
L:1505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:101 after pos.:0